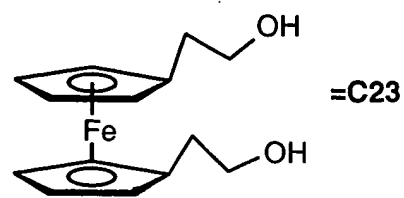
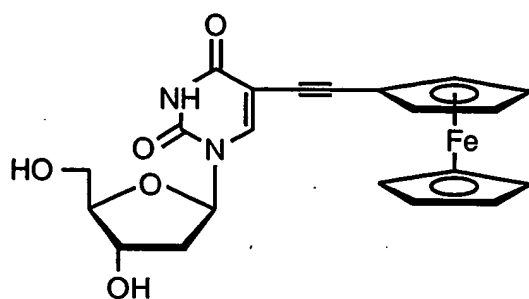
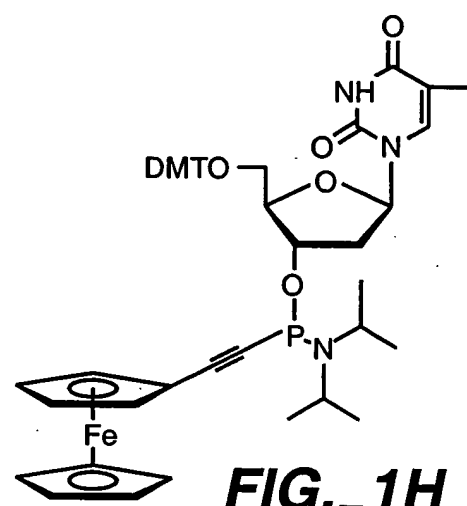
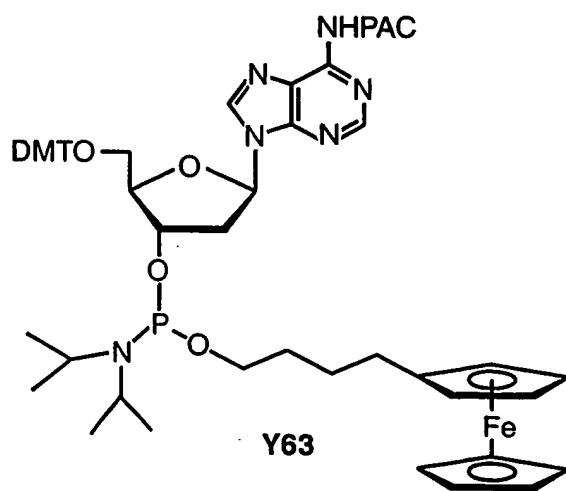
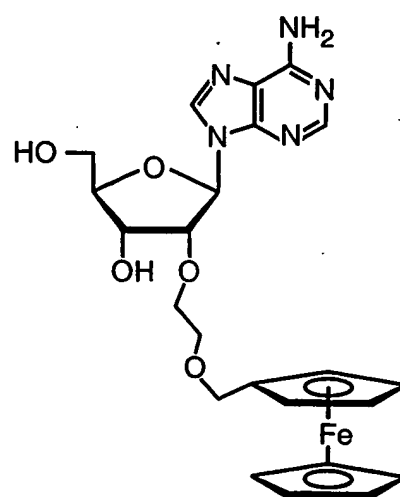
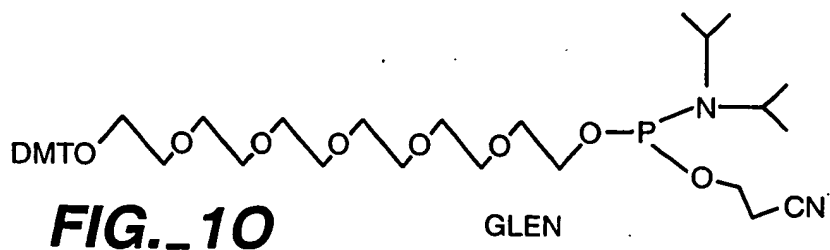
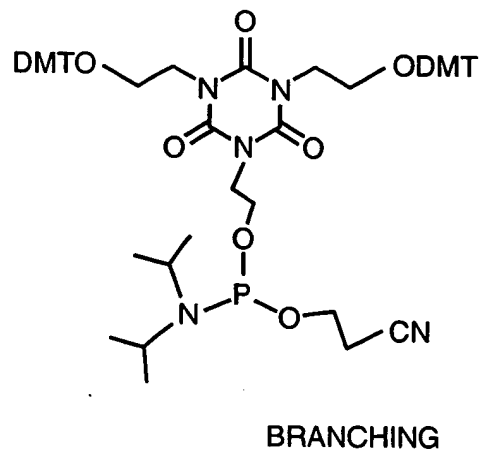
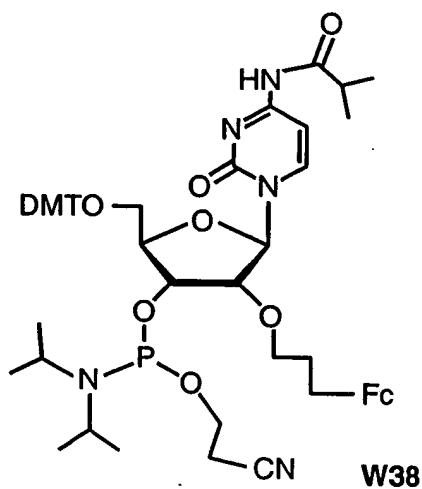
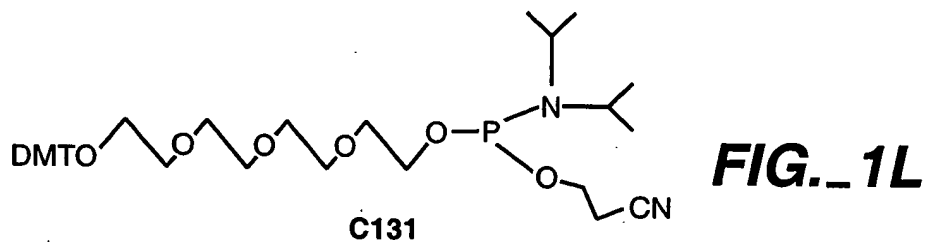
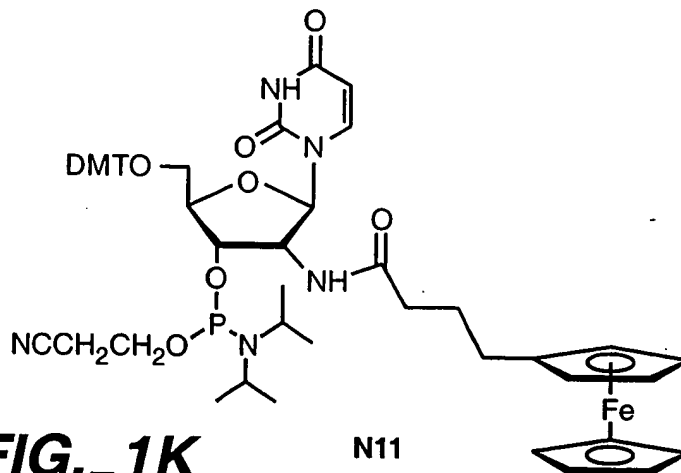
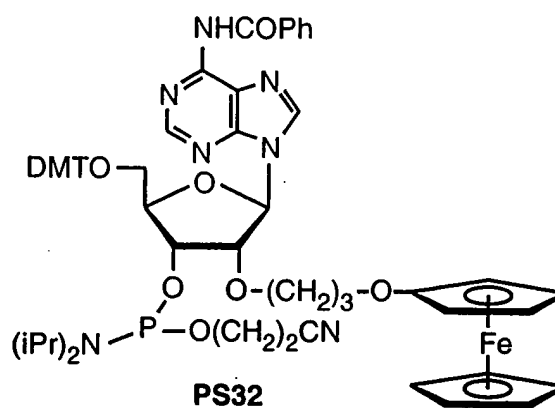
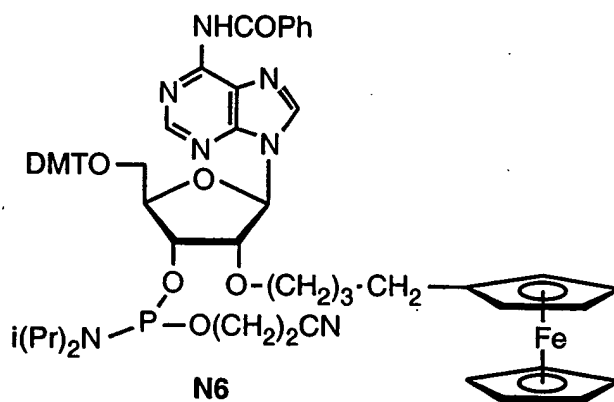
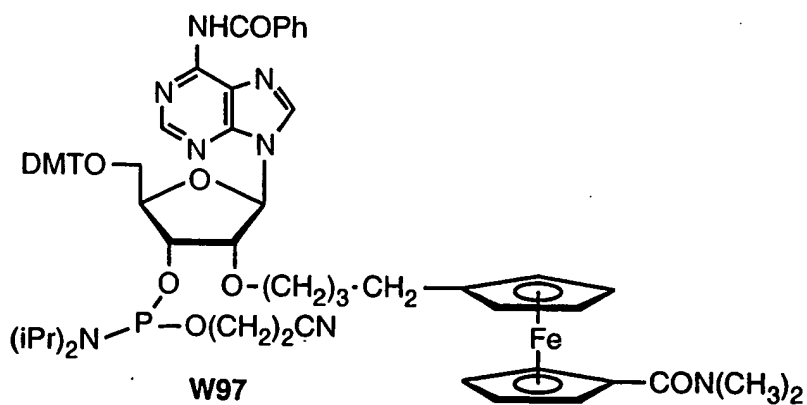
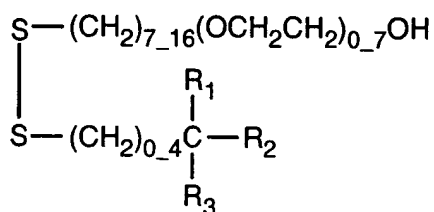
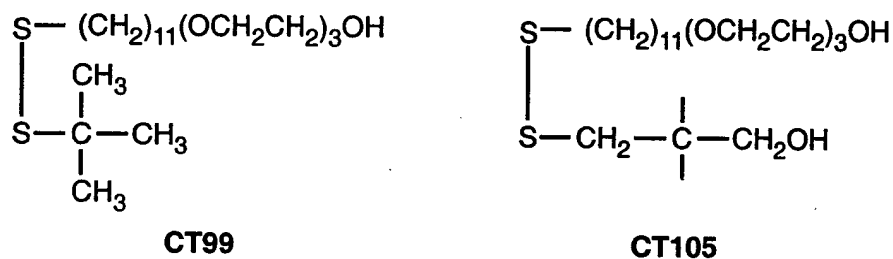
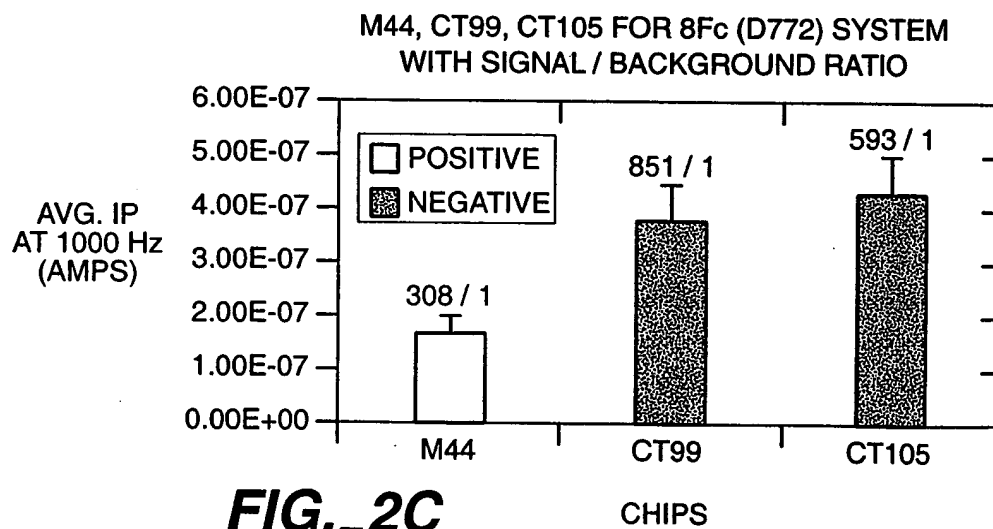
**FIG. 1E****FIG. 1F****FIG. 1G****FIG. 1H****FIG. 1I****FIG. 1J**

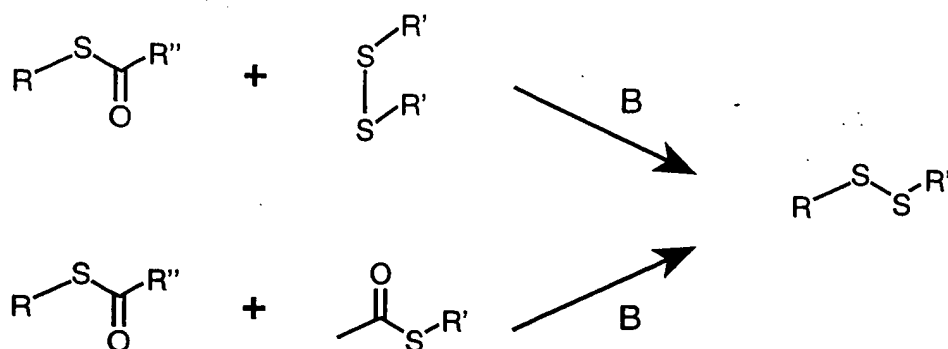
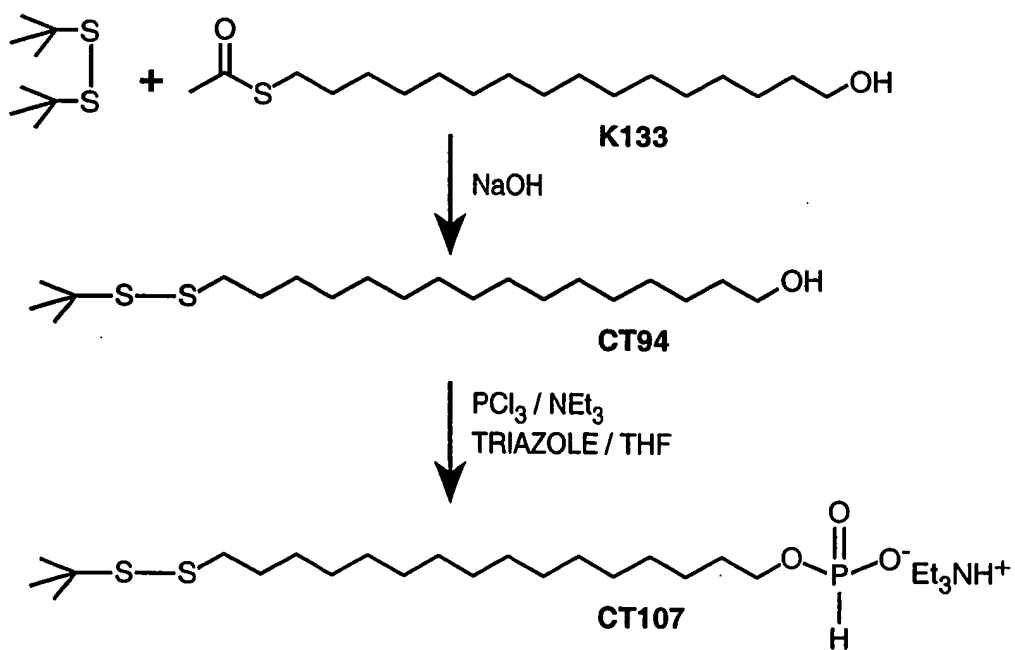


**FIG. 1P****FIG. 1Q****FIG. 1R**

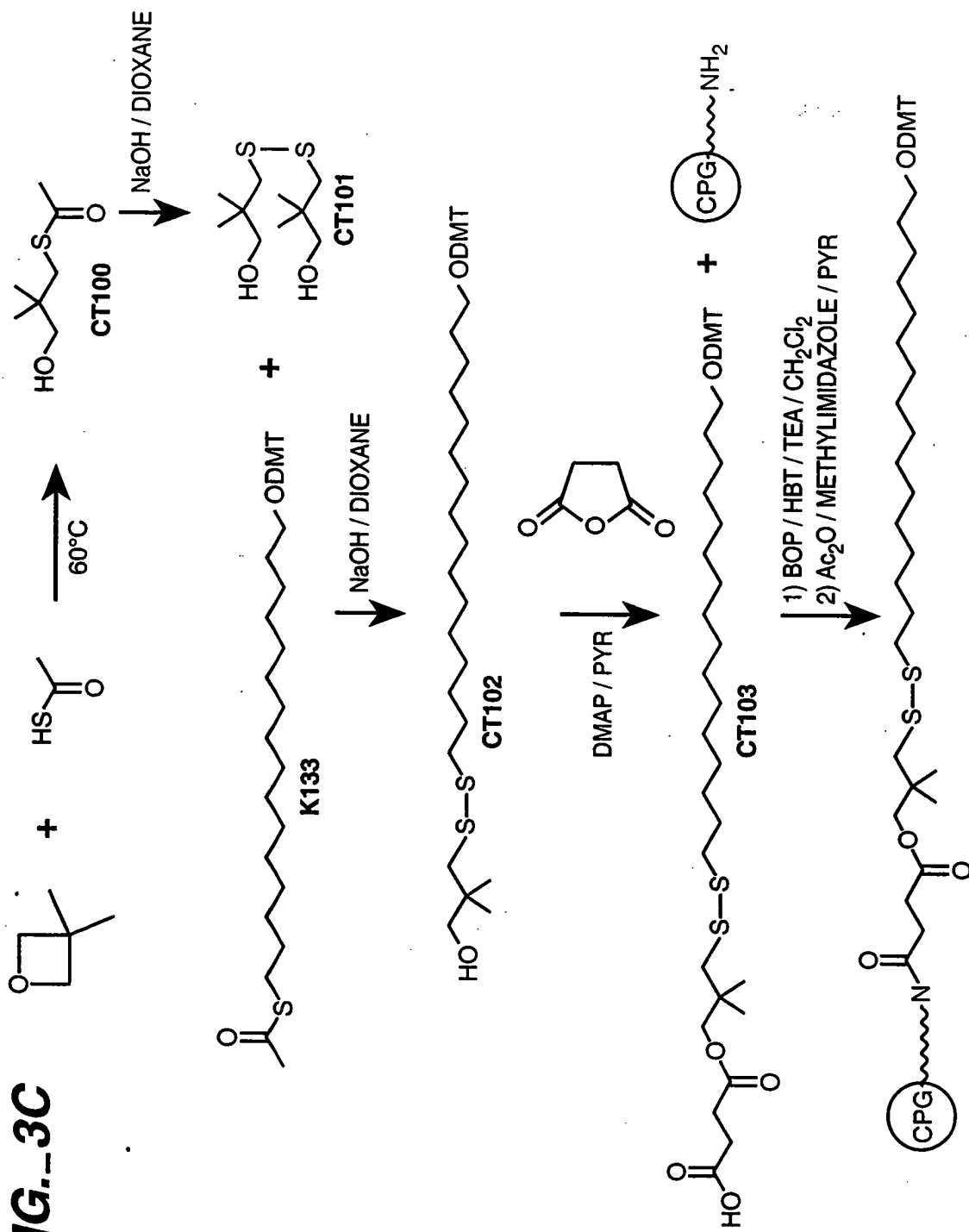


$\text{R}_1$ ,  $\text{R}_2$ , AND  $\text{R}_3$ : H,  $\text{CH}_3$ , t-BUTYL, CYCLOALKYL,  $\text{CH}_2\text{OH}$ ,  $\text{CH}_2\text{NH}_2$ ,  $\text{CONH}_2$ ,  $\text{COOH}$ ,  $\text{CH}_2\text{OPO}_3^{2-}$ , AROMATIC, ADAMANTYL

**FIG. 2A****FIG. 2B****FIG. 2C**

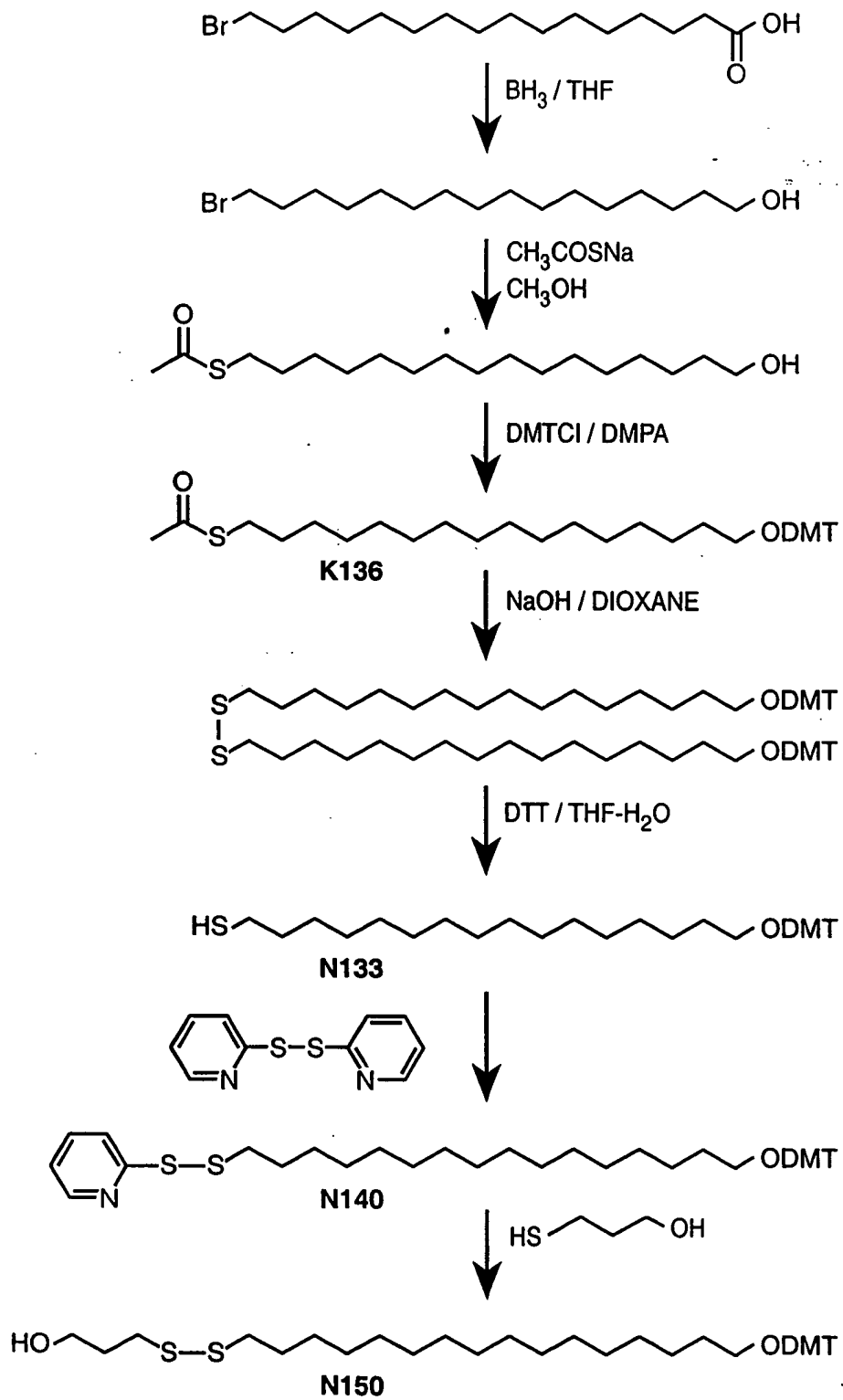
**FIG.\_3A****FIG.\_3B**

**FIG. 3C**



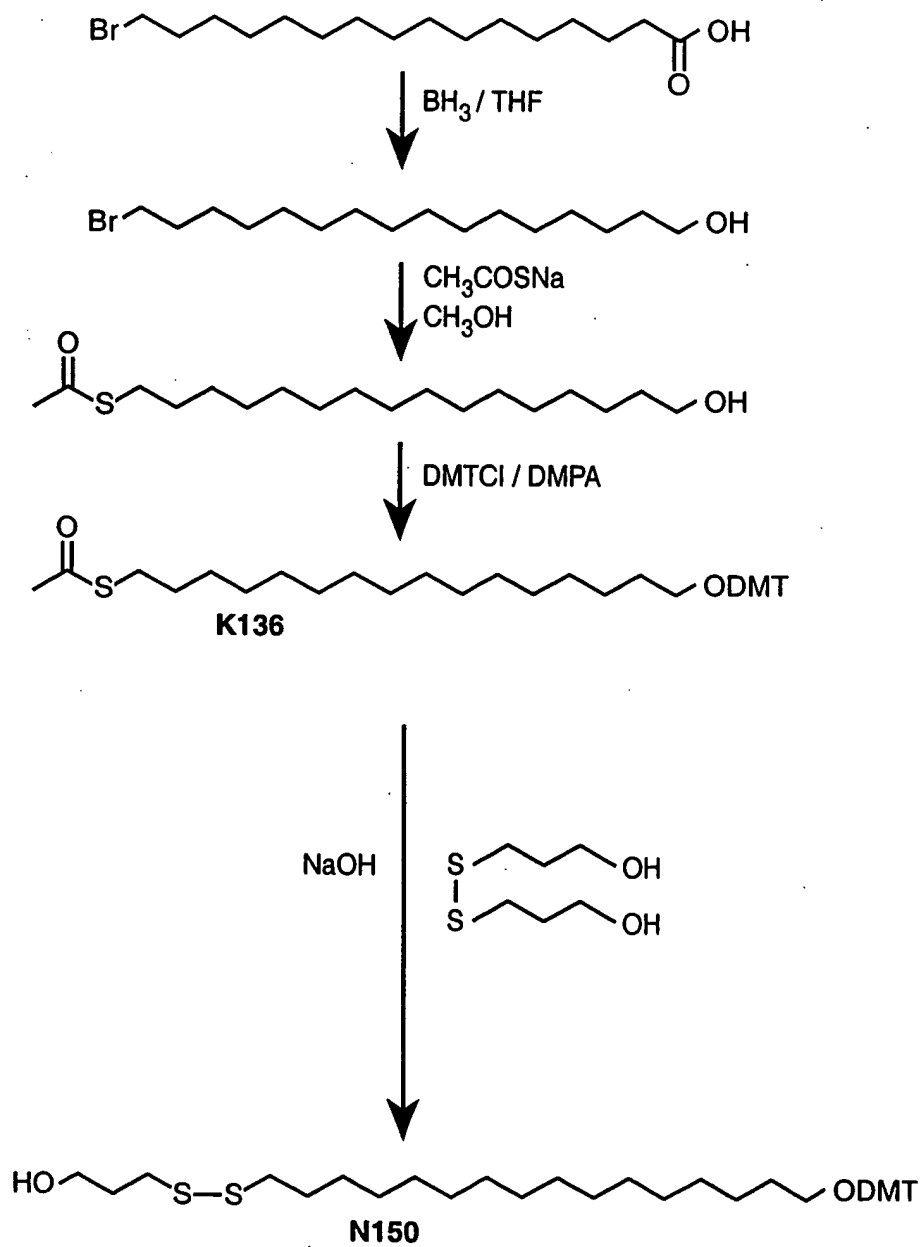
**METHOD A**

8 / 25



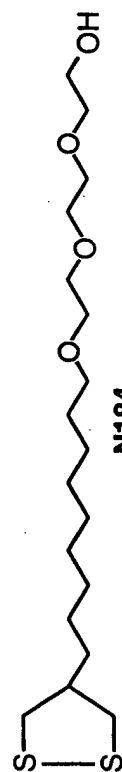
**FIG. 3D-1**



**FIG.\_3D****METHOD B****FIG.\_3D-2**

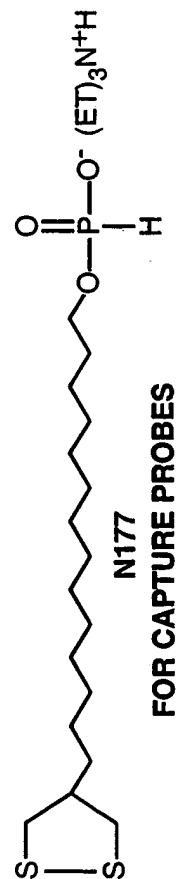


**FIG. 3E.**



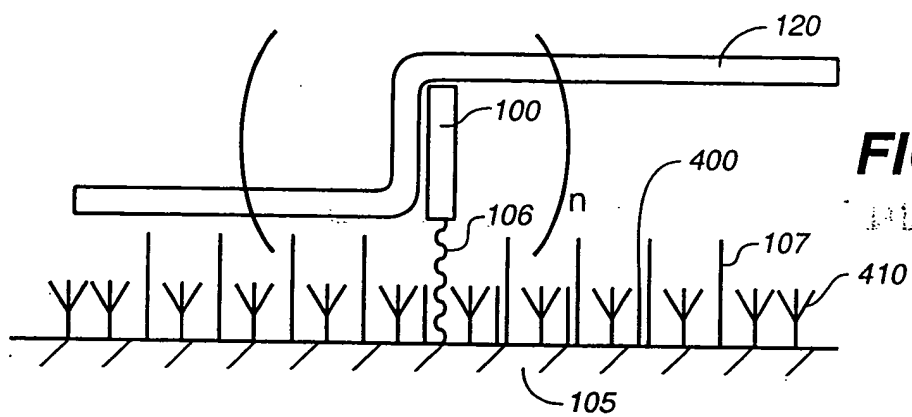
**FIG. 3F**

**N184**  
**INSULATOR**

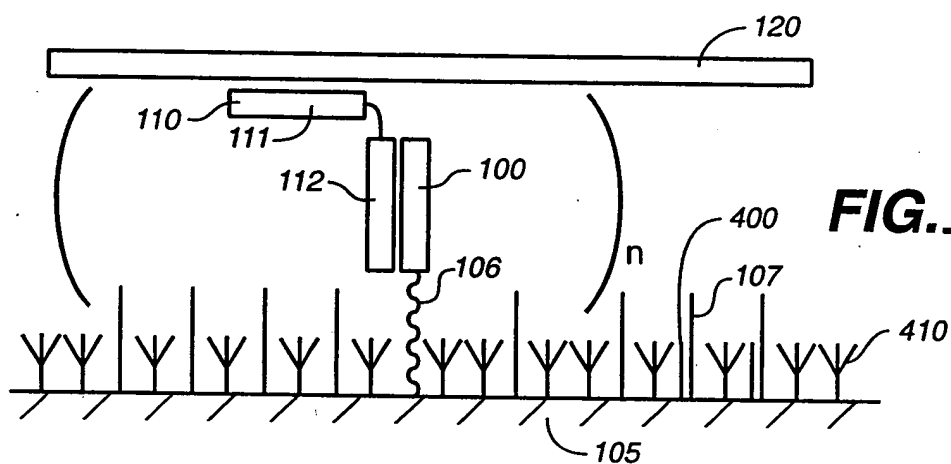


**FIG.-3G**

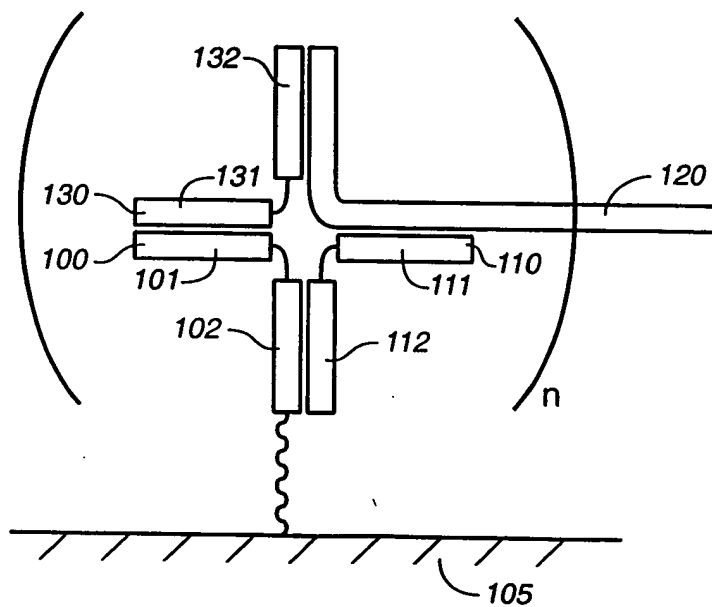
## FOR CAPTURE PROBES



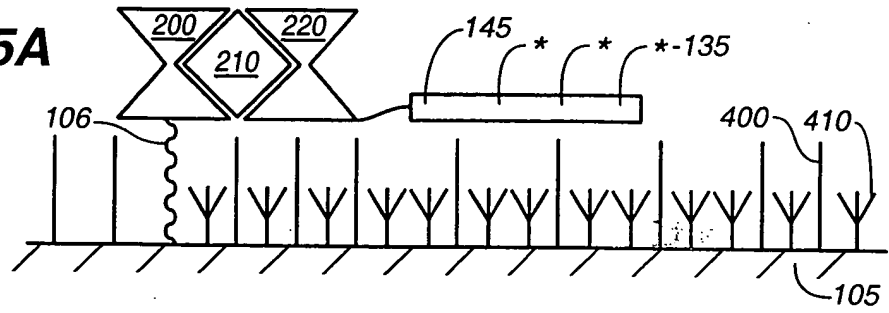
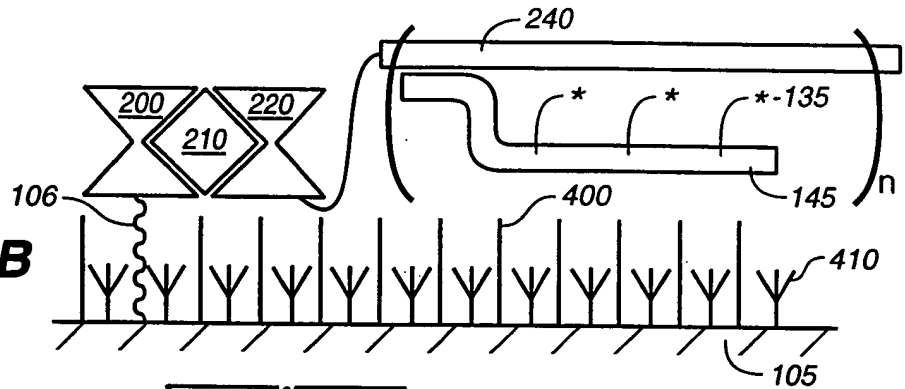
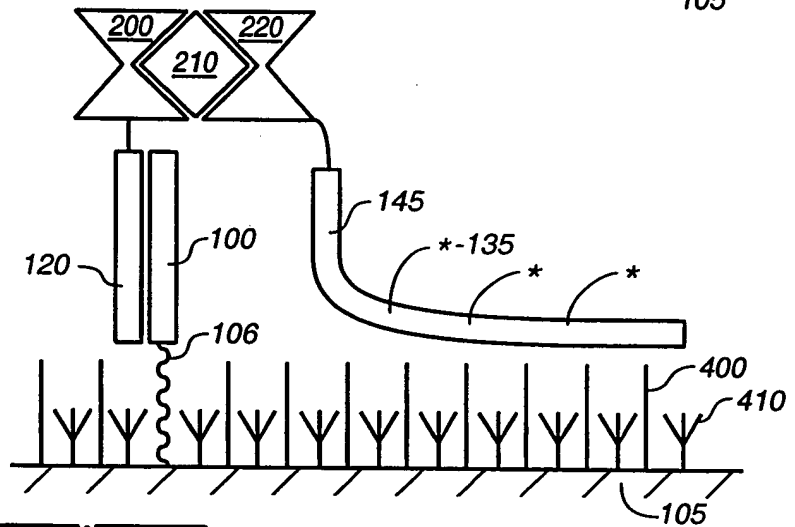
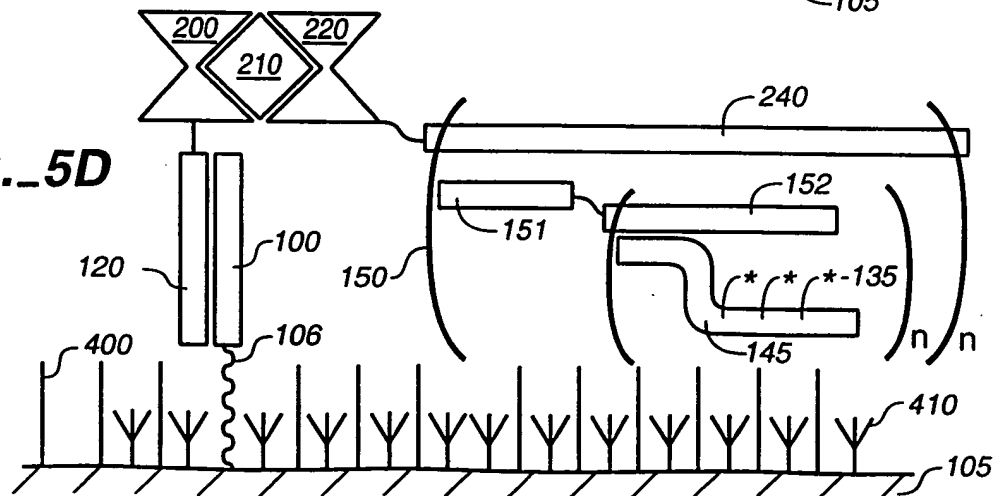
**FIG. 4A**

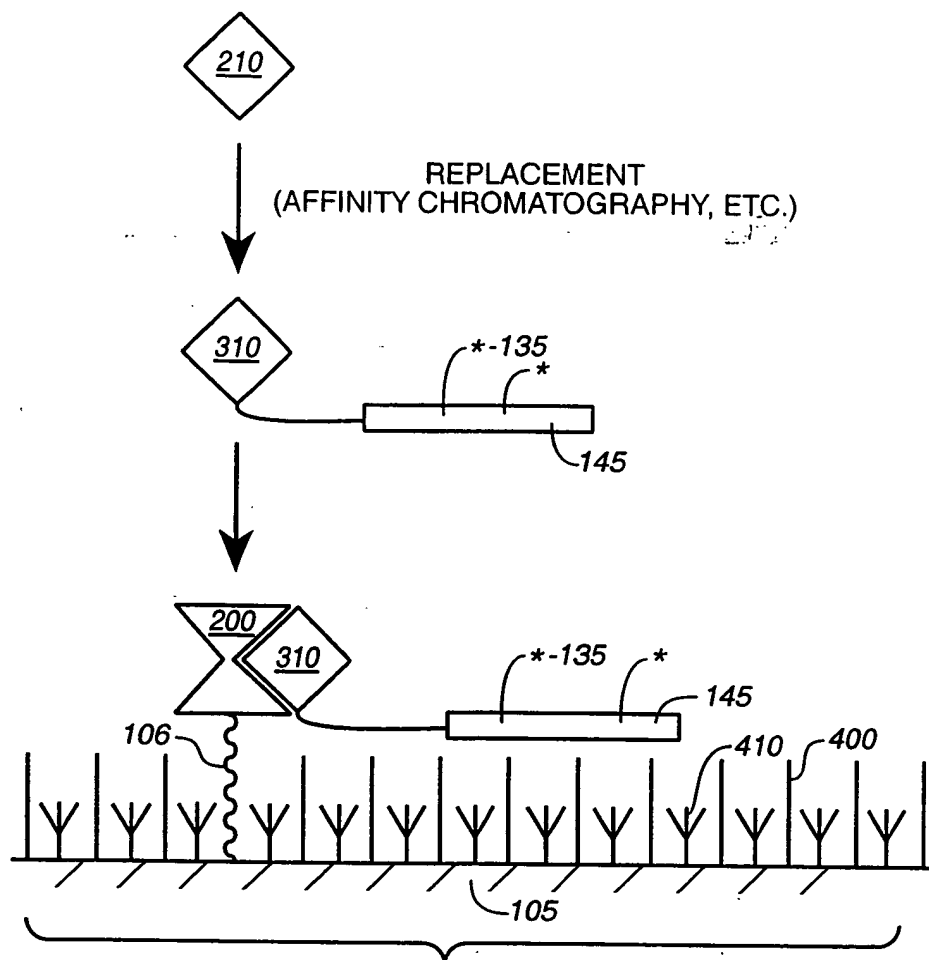


**FIG. 4B**

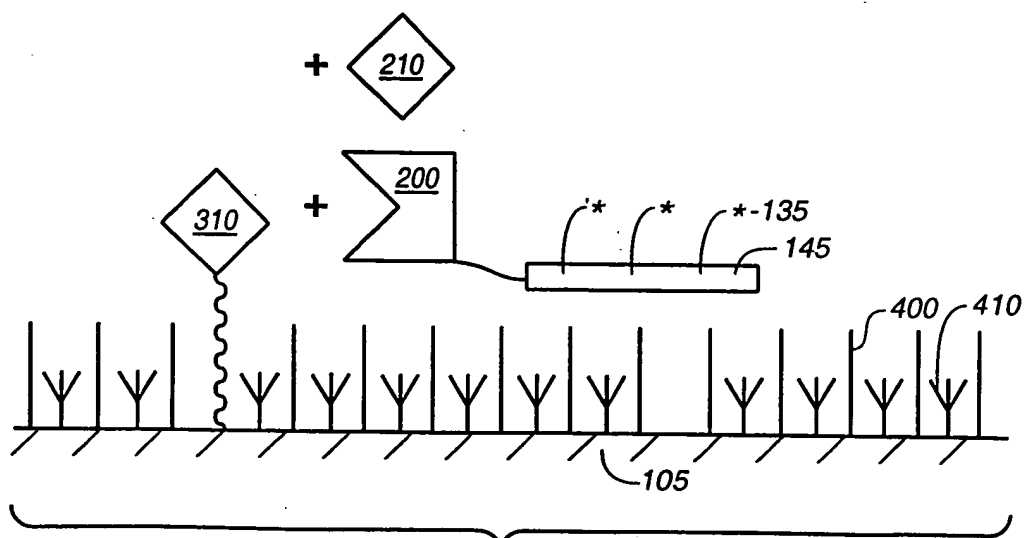


**FIG. 4C**

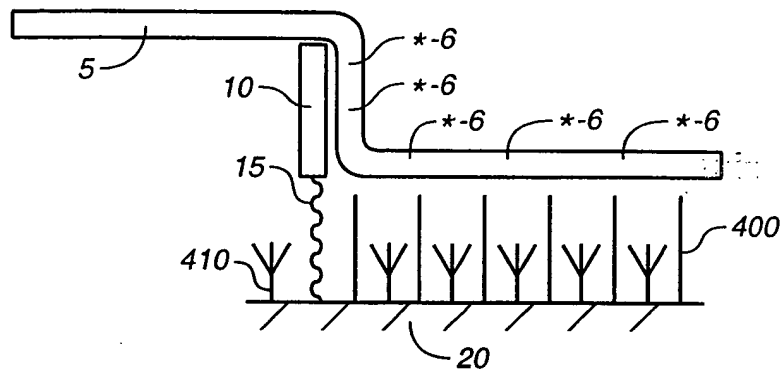
**FIG.\_5A****FIG.\_5B****FIG.\_5C****FIG.\_5D**



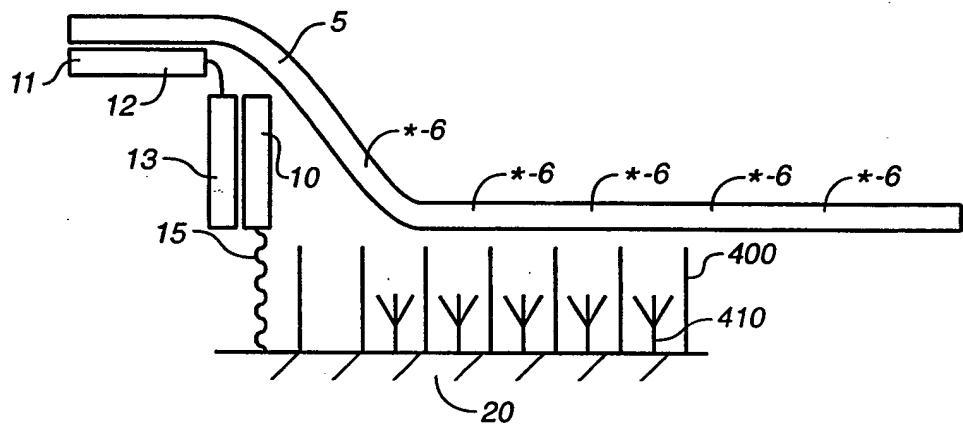
**FIG.\_6A**



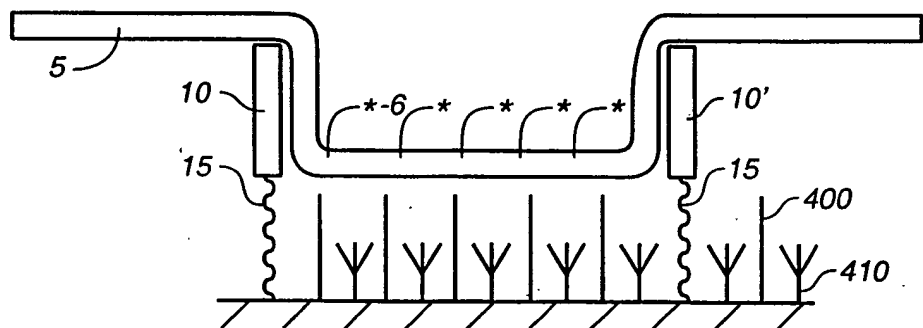
**FIG.\_6B**



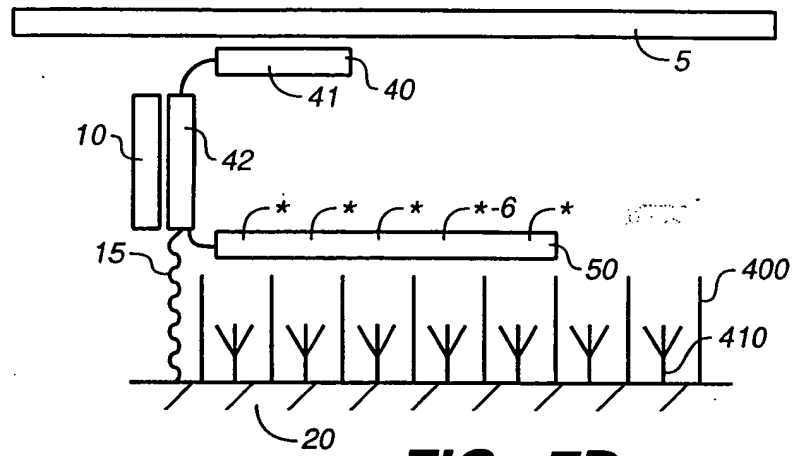
**FIG. 7A**



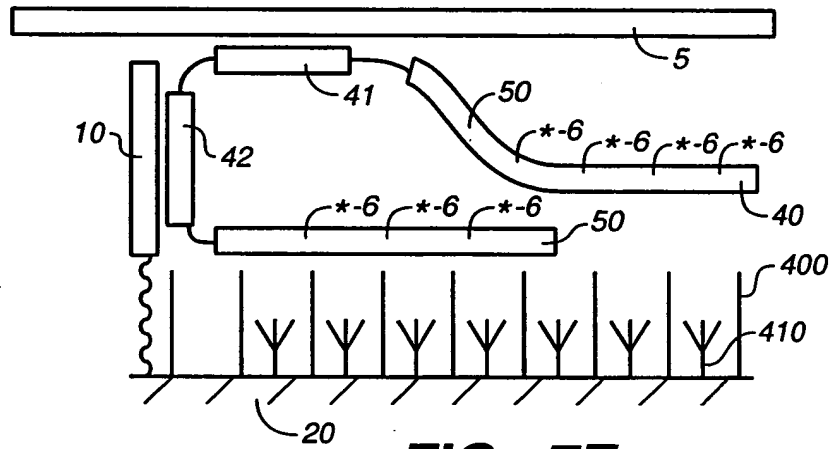
**FIG. 7B**



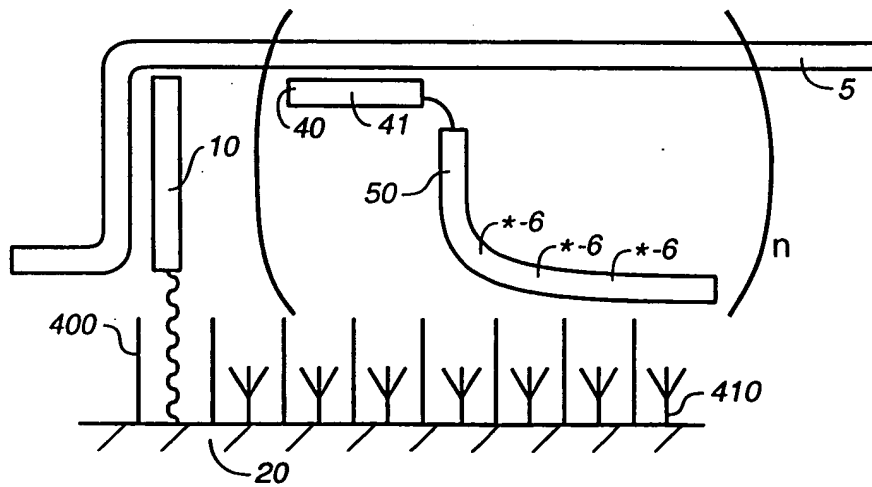
**FIG. 7C**



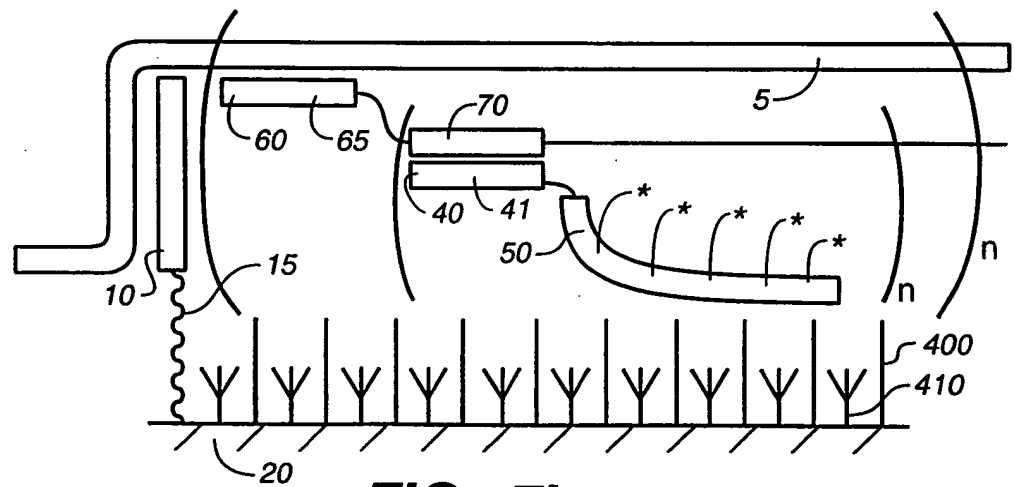
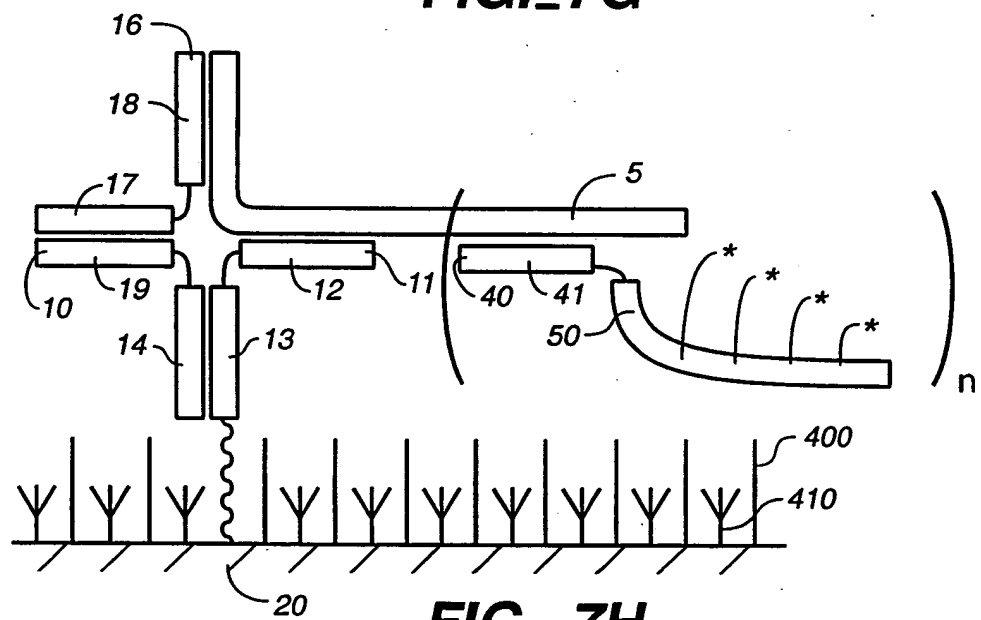
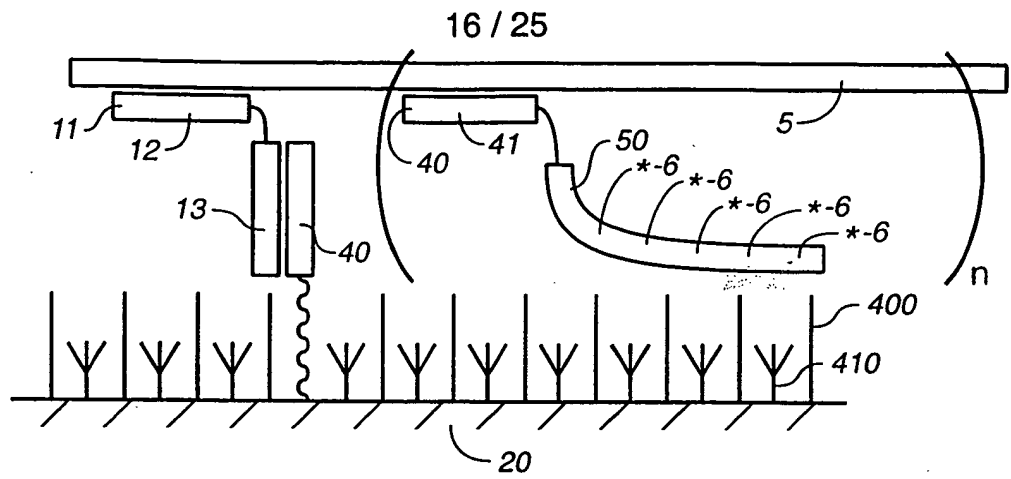
**FIG.\_7D**



**FIG.\_7E**

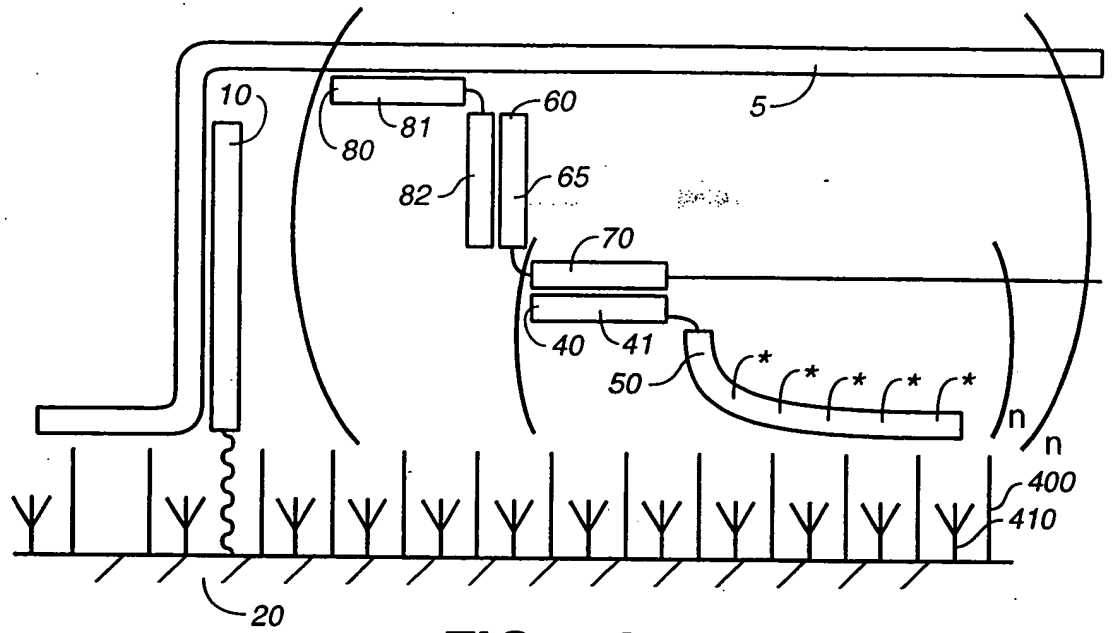


**FIG.\_7F**

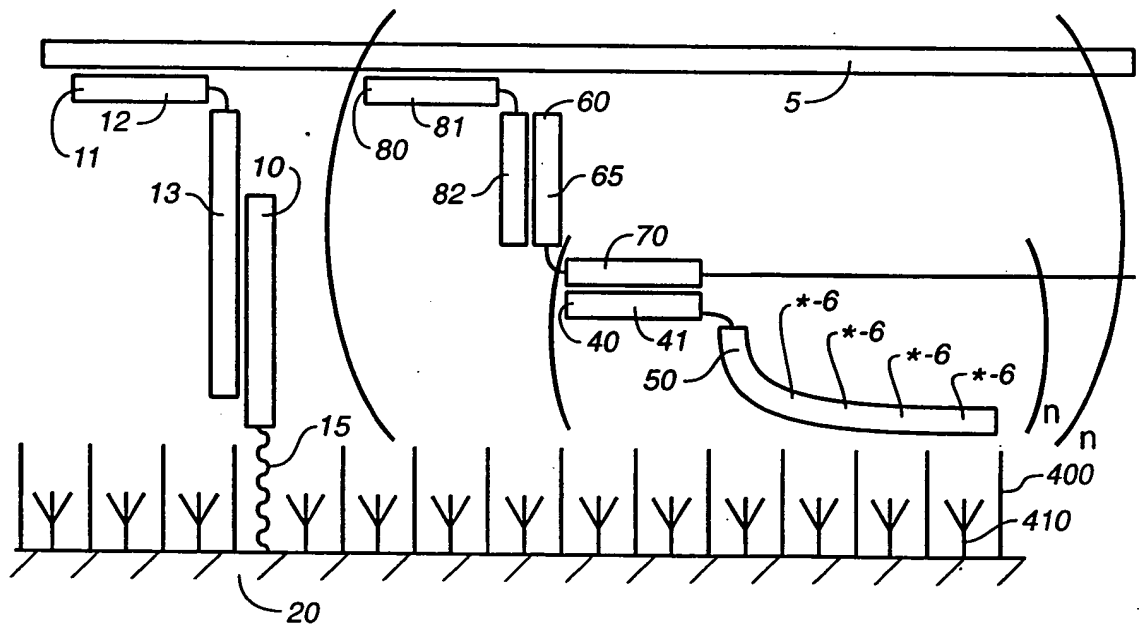




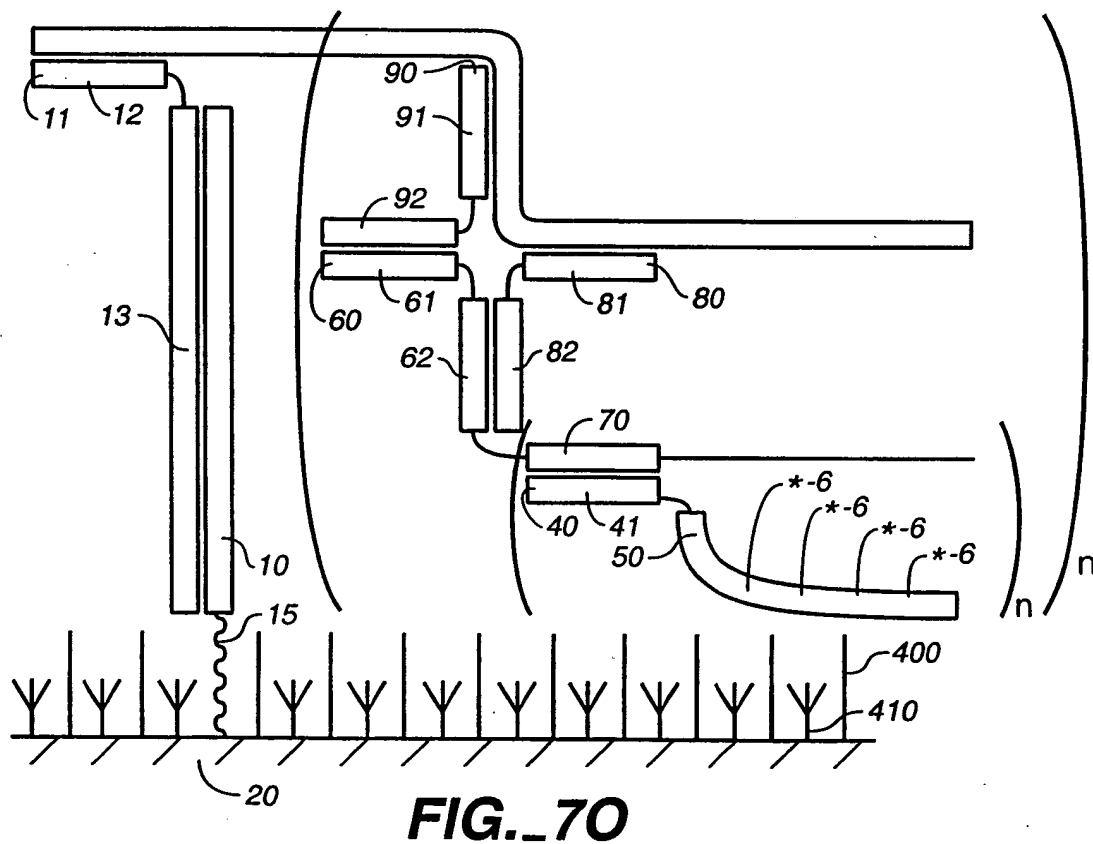
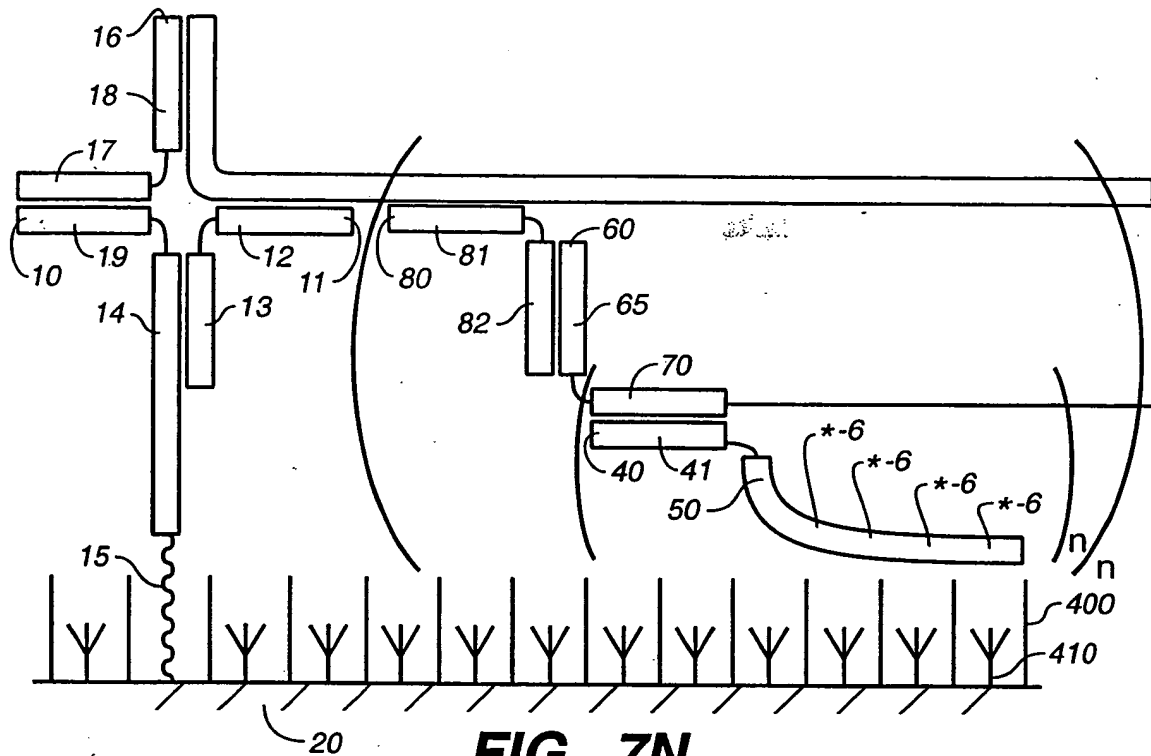


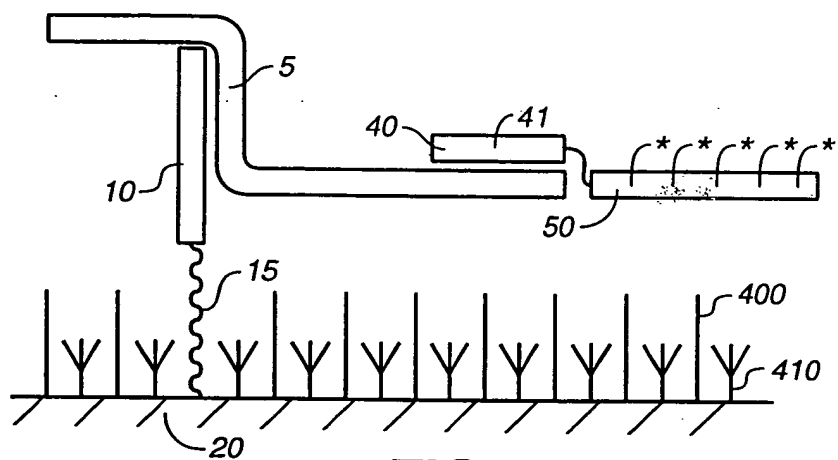


**FIG. 7L**

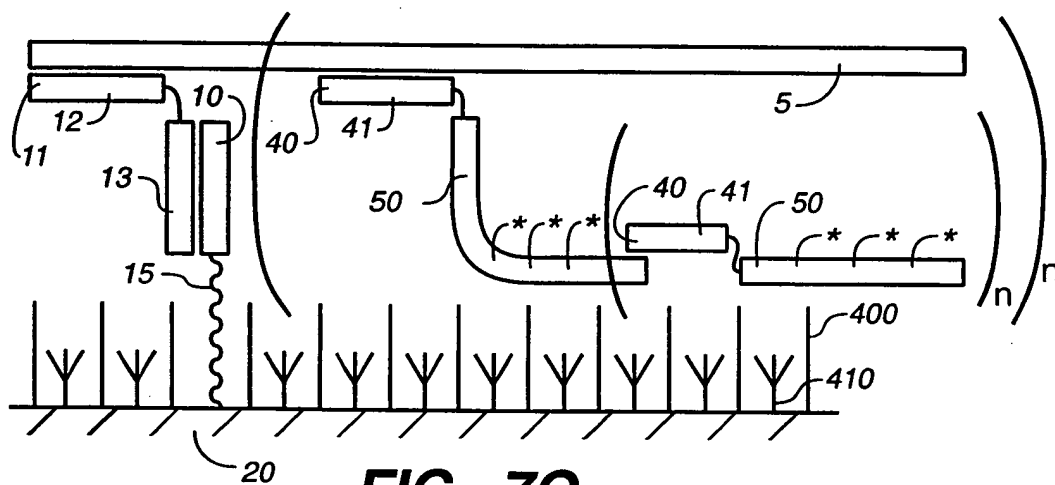


**FIG. 7M**

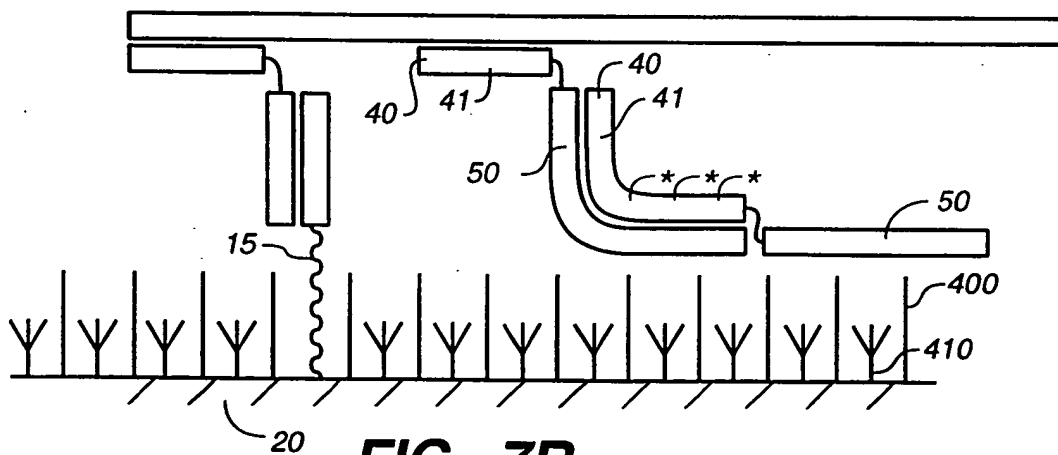




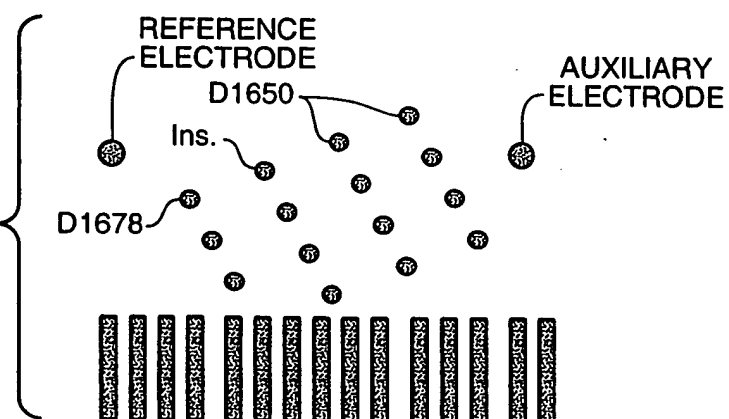
**FIG. 7P**

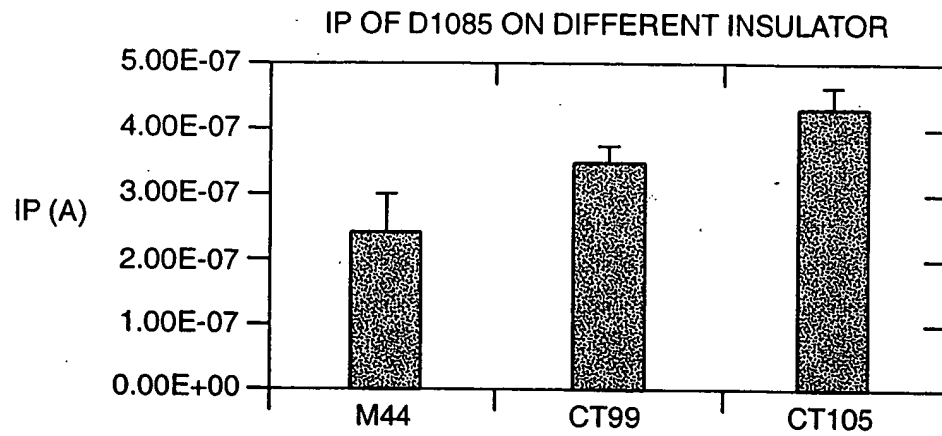
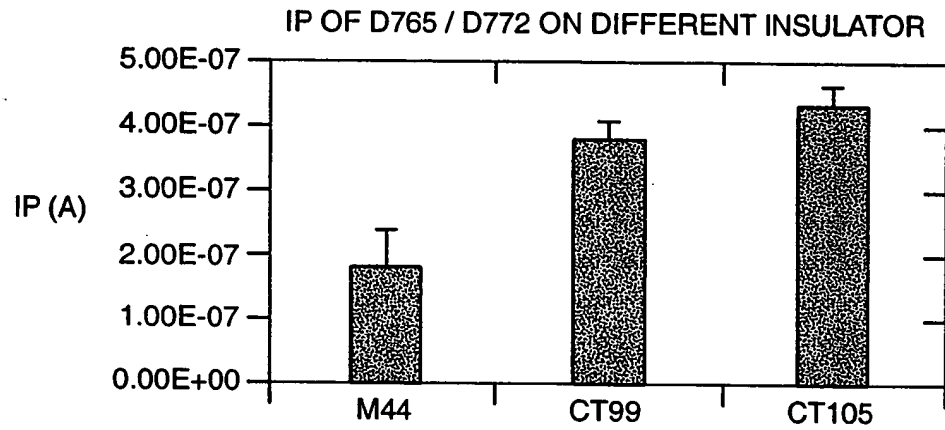
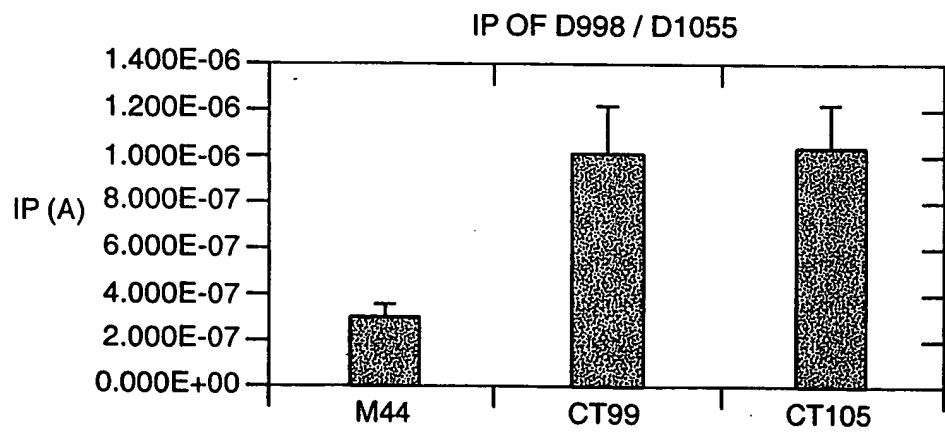


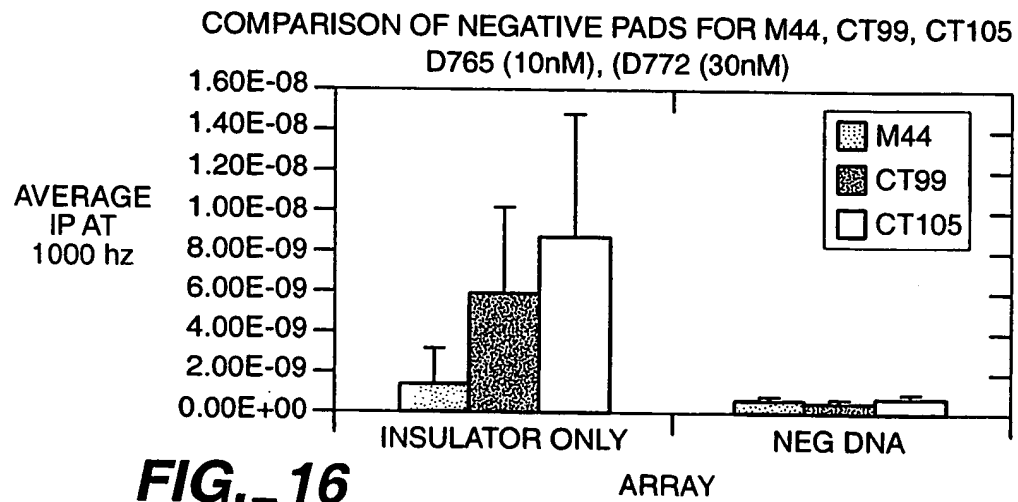
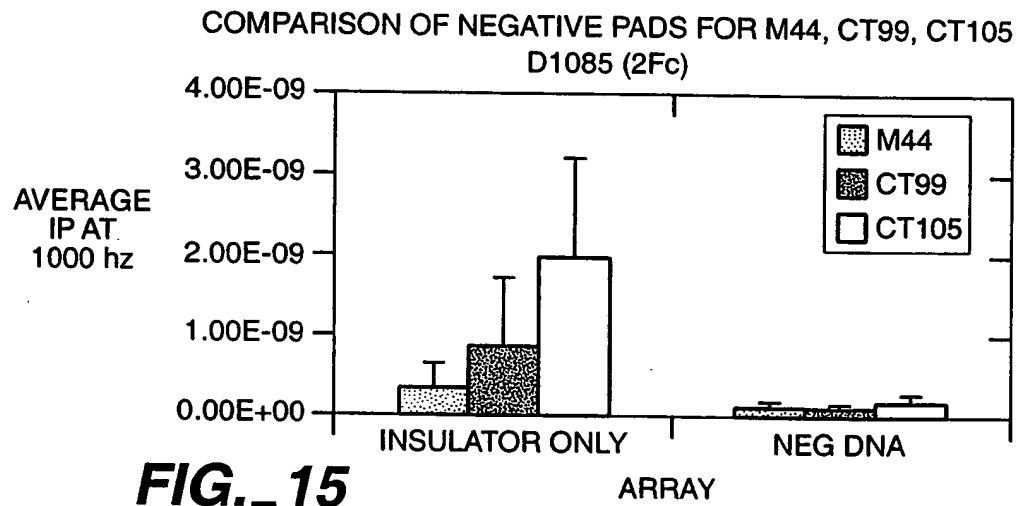
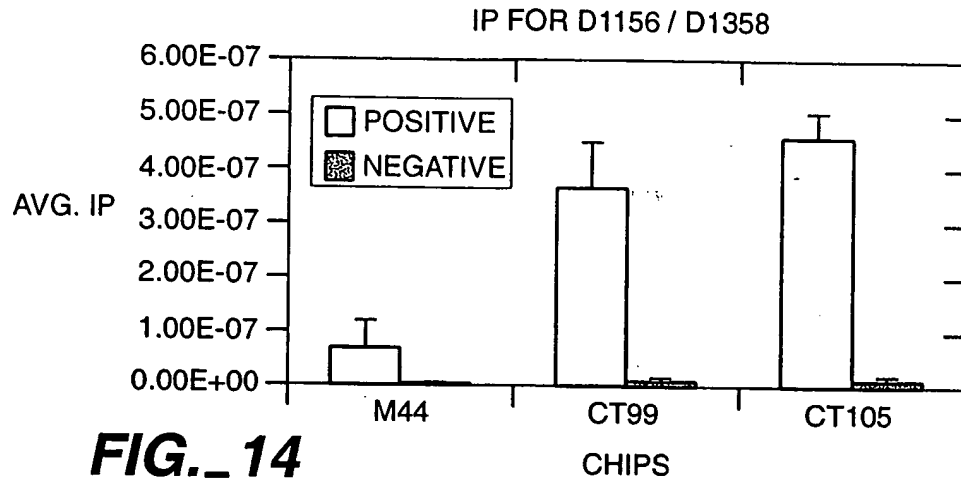
**FIG. 7Q**

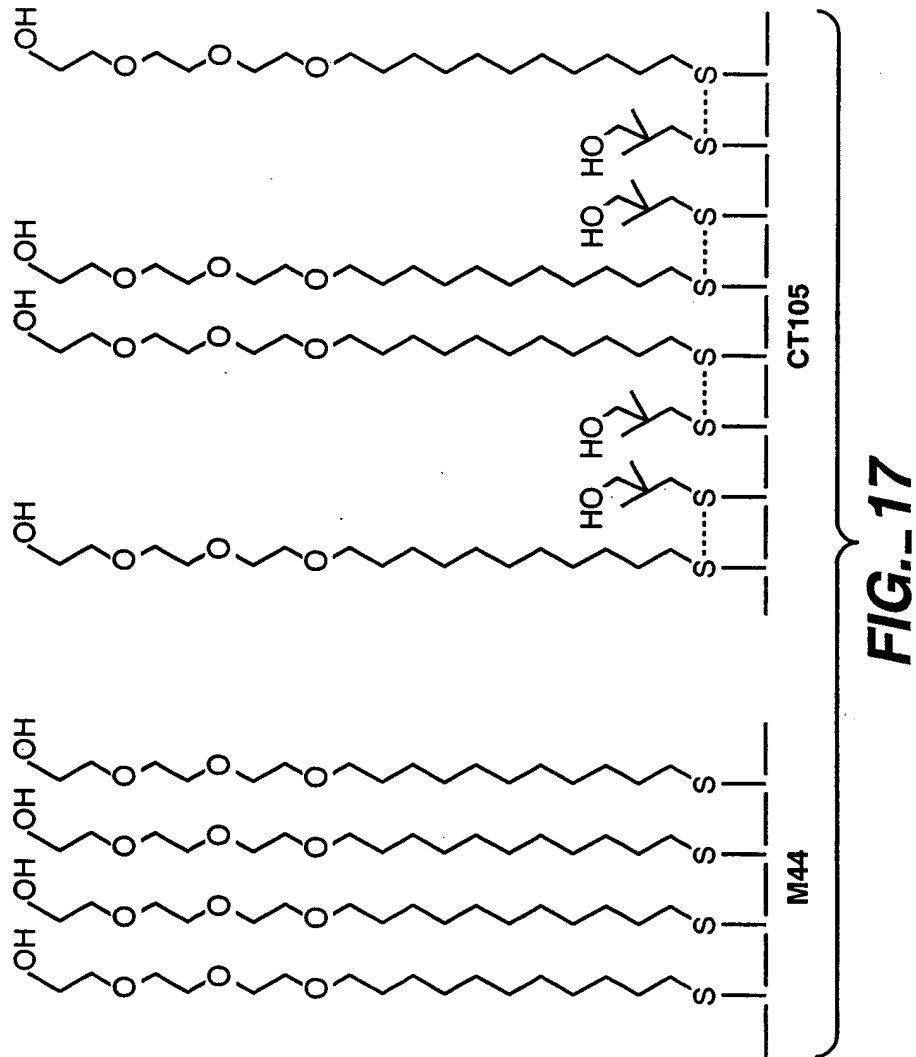


**FIG. 7R**

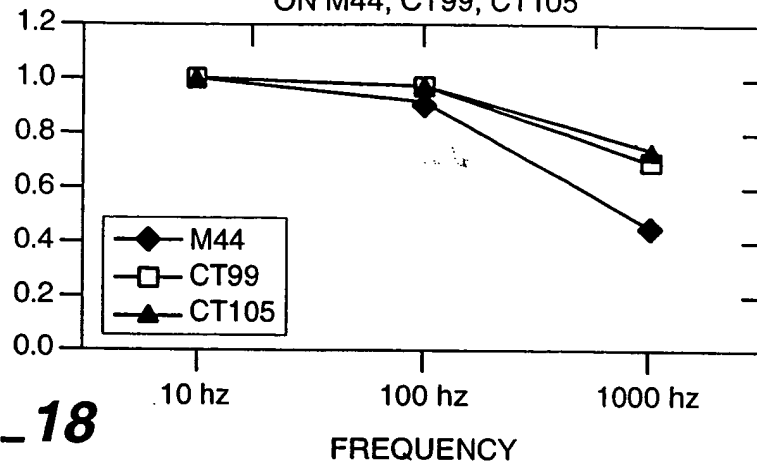
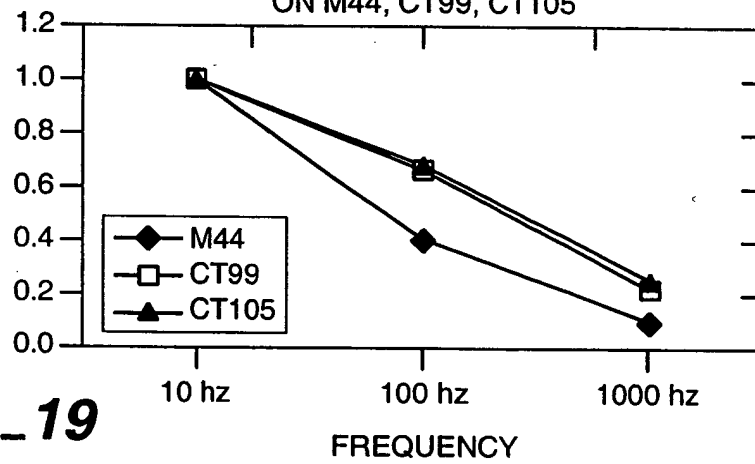
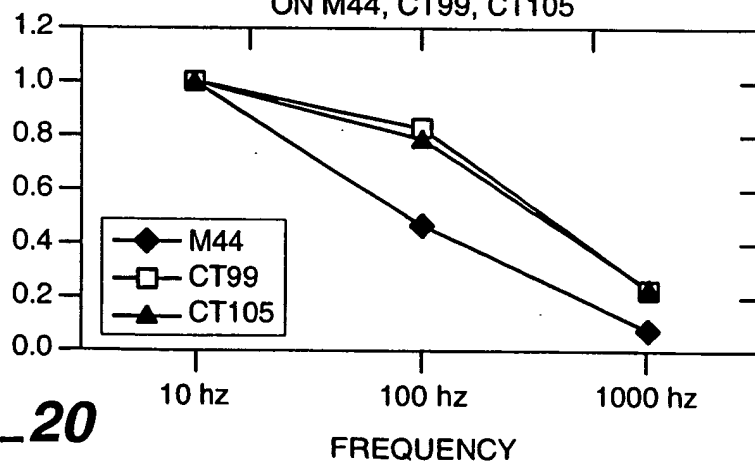


**FIG.\_11****FIG.\_12****FIG.\_13**







FREQUENCY RESPONSE OF D1085 (100 nM)  
ON M44, CT99, CT105**FIG.\_18**FREQUENCY RESPONSE OF D765 / D772 (8Fc)  
ON M44, CT99, CT105**FIG.\_19**FREQUENCY RESPONSE OF D998 / D1055 (20Fc)  
ON M44, CT99, CT105**FIG.\_20**